

Best Practice

# How Minebea Intec combined precise weighing results with a flexible and mobile design



Mobile scales excel in industrial environments in which work processes require greater flexibility and better use of space. A high-resolution industrial scale was combined with an indicator to create a flexible and precise weighing solution.

## Key facts

A pharmaceutical manufacturer tasked Sartorius Croatia to produce a mobile scale for an application in granulation production process.

The main goal was to achieve precise measuring results for a large number of different products.

## Application

A high resolution platform for precise results was combined with an indicator for accurate counting and weighing in a clean room. The weighing solution was combined with wheels and batteries for mobile and flexible operation.

## Products

- Combics 3 indicator with battery operation
- ISEDE64-H 64kg/0,1g weighing platform for accurate measuring

## Customer benefits

- Precise weighing results
- Low maintenance cost
- Battery operation up to 24h
- Compact design for easy operation and space saving

## The customer

Largest pharmaceutical company in the SE Europe with 12,000 employees. Their focus is on the development of high-quality generic pharmaceuticals which offer added value and are marketed under their own brands. Their medicines are used to treat more than 45 million patients every day in over 70 countries.



## Project goal and implementation

For an existing production facility and due to the increased granulation capacities, the customer needed a mobile scale, specifically designed for clean areas which are used for weighing semi-finished products, waste and other products.

The focus was on a high-precision scale since the customer wanted to cover a large range of products, from single tablets up to whole batches. For this demand, the partner combined the Minebea Intec scale consisting of a Combics 3 indicator and an IS64EDE-H platform using the EMFC (electro magnetic force compensation technology with a resolution of 0,1g to ensure accuracy throughout the range. Furthermore, the unit has a wide number of applications that make it both flexible and future-proof.

The customer further needed to save products with a predefined tare of containers in production – a requirement which was perfectly met with the Combics Indicator The scale with a comprehensive range of interfaces also met a require-

ment a plan the customer had: To connect the mobile scale to an internal network via ethernet port for production control in the future.

To ensure high precision weighing, the mobile scale is equipped with levelling legs and locking casters. The integrated batteries ensure operating hours of the mobile scale for 24 hours in heavy duty environment.

The design of the mobile scale is user-oriented – so the operator has easy access to every part of the equipment and is able to change it in no time. For easy operation in the building, the partner installed 10 cm wheels in combination with a large handle so the scale can be operated in small rooms without problems.

*“With this combination of the highly precise weighing solution IS-Platform (ISEDE64-H) and the matching indicator Combics 3, we received a perfect mobile weighing solution. This flexible solution not only saves space, but also grants us the possibility for easy upgrades.”*

*Ivica Granic (CEO Sartorius Croatia)*

The greatest advantage of this solution is the space-saving factor as well as reduced service and maintenance costs since the mobile scale can substitute several floor scales.



The mobile weighing solution is made for flexible use.



Both the load plate and the trolley are made of durable stainless steel.



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